

COLIBRI CABLE-DEPLOYED RIGLESS ESP SYSTEM



colibriESP



LOSE THE RIG, NOT THE ESP

 **NOVOMET**



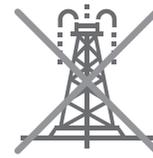
COLIBRI CABLE-DEPLOYED RIGLESS ESP SYSTEM

Change the Economics of Oil Production

Deploying an entirely rigless electrical submersible pumping (ESP) system changes the economics of oil production, especially in offshore wells. By completely eliminating the need for a rig, the **Colibri cable-deployed rigless ESP system** saves time and cost while reducing deferred production.



Complete live-well deployment – no need to kill the well



No waiting or paying for a rig



No wasted time, less deferred production

Defining Rigless

Many production companies are calling their technologies rigless. And yet most of them require a rig at some point in their installation or lifecycle. The facts are that if an ESP requires wet connect, recompletion, or retubing, the initial installation requires a rig to show up on site.

The Colibri cable-deployed system entirely eliminates the rig and enables live-well deployment and intervention. It is the first system of its kind in the world with successful installations dating back to November 2017.

The Colibri Cable-Deployed System is the First Entirely Rigless ESP in the World

	Conventional ESP	Coiled Tubing ESP	Wireline-Retrievable ESP A	Wireline-Retrievable ESP Z	Colibri Cable-Deployed Rigless ESP
Minimum tubing size	N/A	4½ in. ESP	4½ in.	5½ in.	2⅞ in.
Need rig to prep well?	Always	YES – To install motor, gear reducer, seal, tubing crossover, etc.	YES – To install wet connect and power cable	YES – To install the docking station and power cable	Never
Need rig during operation/repair?	Always	YES – In case of motor, cable, or seal failure	YES – In case of power cable or wet connect failure	YES – In case of docking station or power cable failure	Never
Deployment method	RIG	RIG for install Wireline for pump replacement	RIG for install SL for pump/motor replacement	RIG for install Heavy-duty wireline for pump/motor replacement	Cable-deployed with modified slickline unit
Capable of live-well intervention?	Never	NO	NO for install YES for pump/motor replacement		Always

Applications



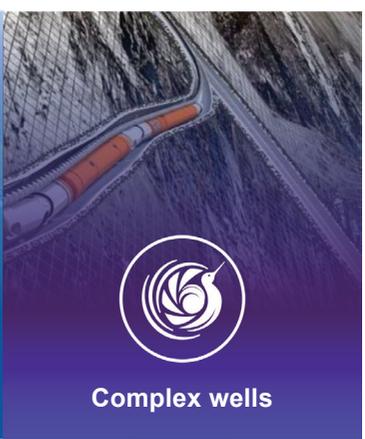

Offshore wells




Onshore wells




Remote operations




Complex wells

Series	217	272	319
OD, in	2.17	2.72	3.19
String Length, ft	33 ≥ 98.4		
Capacity, BDP (m3/h)	≤ 1070 (170)	≤ 2075 (330)	≤ 6290 (1000)
		≤ 3145 (500)	
Head, ft (m)	≤ 11 483 (3500)		
Motor Power, HP	≤ 161	≤ 335	≤ 470
Motor Efficiency, %	83	85	90
RPM	10000	10000	10000
Gas Content, %	55		
Bottom Hole Temperature, °F (°C)	248 (120)		

Non-standard offerings are available upon request. Contact us for other size options.

Colibri Rigless ESP Reduced Installation Costs by 70%, Achieved Payback in Less Than a Year

Challenge

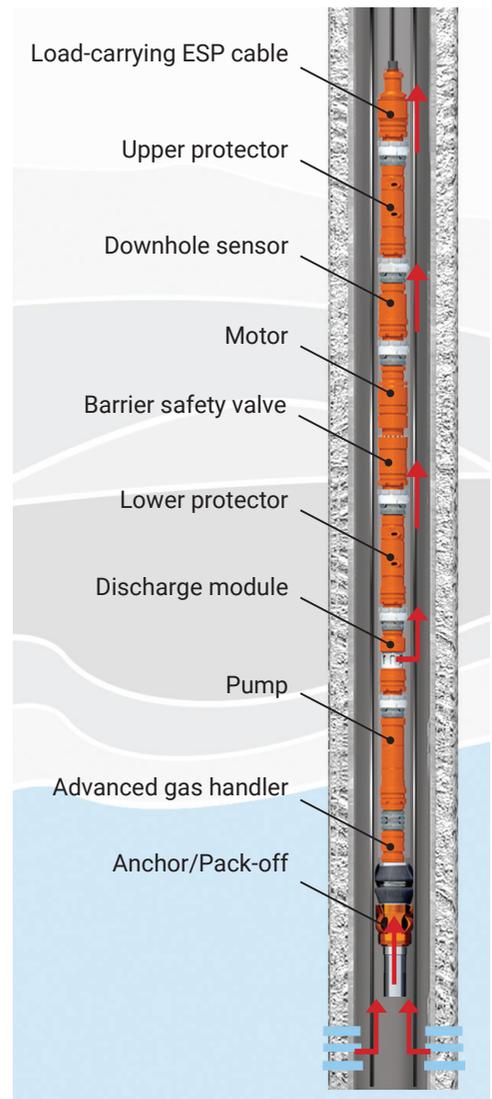
Find a more cost-effective solution than gas lift for producing a brownfield well in Malaysia.

Solution

Deploy a 2.17-in. Colibri ESP to produce the remaining reserves.

Results

- Reduced costs by 70% compared to conventional ESP workover and installation
- Achieved total project payback in less than a year
- Increased reserves by more than 200,000 stock tank barrels of oil
- Increased liquid rate by 100% with 200 BOPD produced





CONTACT US TODAY

To learn more about how the Colibri rigless ESP can help you cut costs and extend production, contact us today.

[.https://www.novometgroup.com/contacts/](https://www.novometgroup.com/contacts/)

